

H. L. SPENCER.

Millstone Dress.

No. 78,768.

Patented June 9, 1868.

Fig: 2.

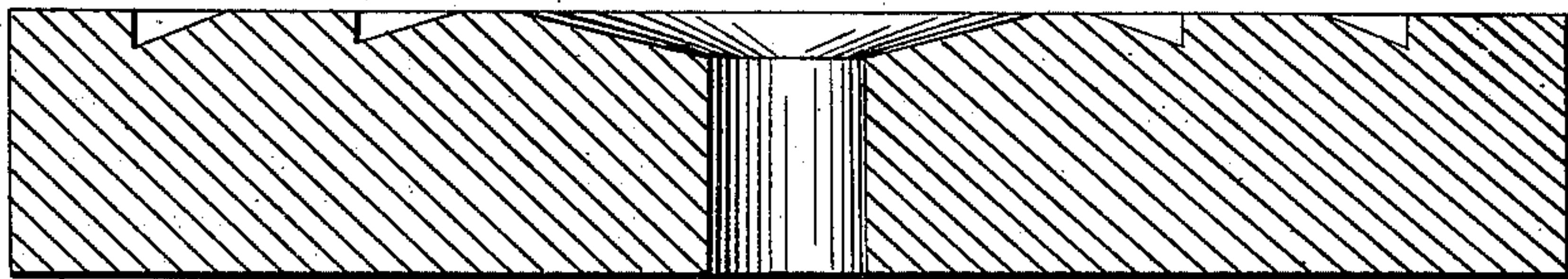
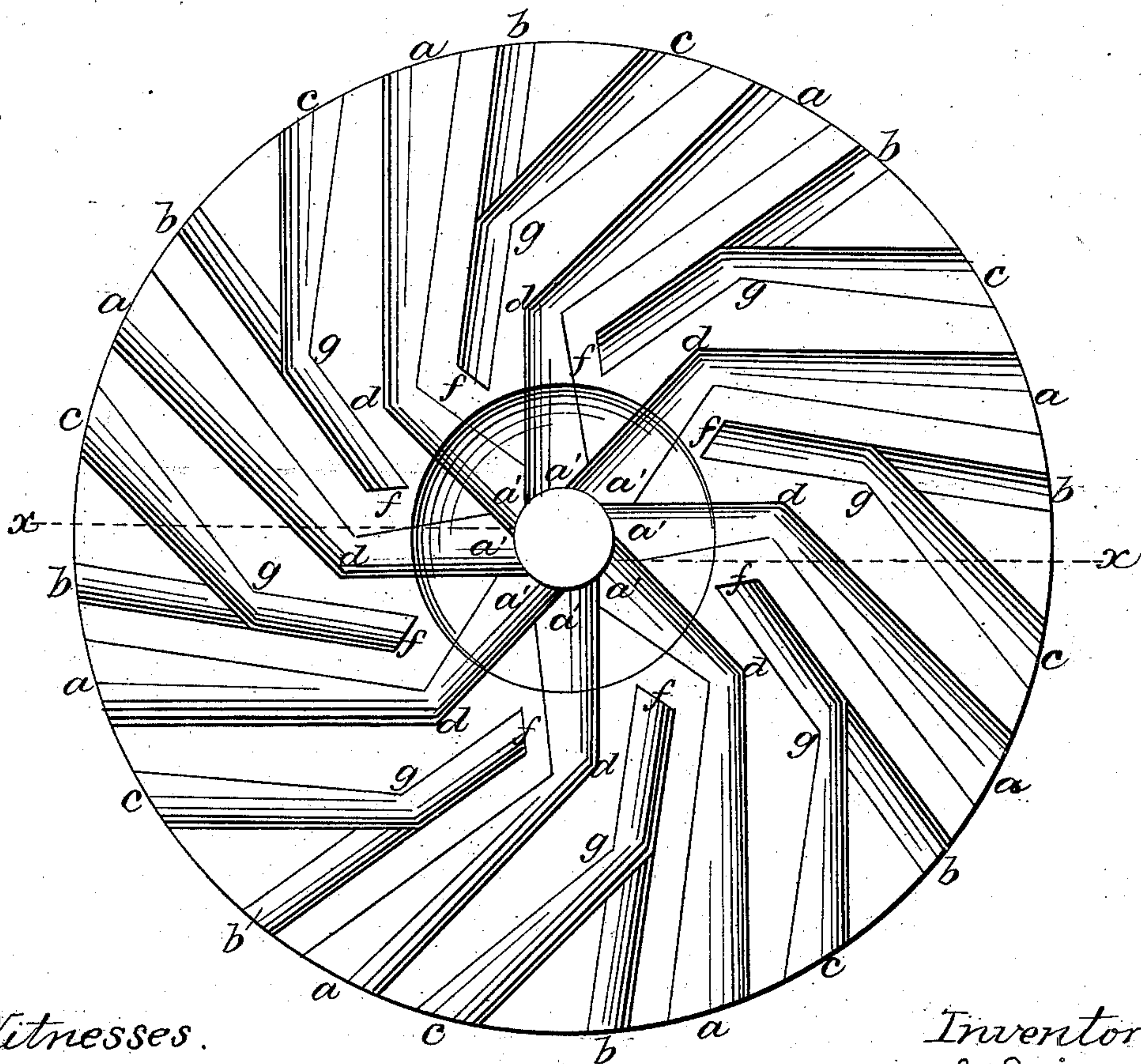


Fig: 1.



Witnesses.
E. A. Cleworth.
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United States Patent Office.

HEDGES L. SPENCER, OF SOCIAL CIRCLE, GEORGIA.

Letters Patent No. 78,768, dated June 9, 1868.

IMPROVED MILLSTONE-DRESS.

The Schedule referred to in these Letters Patent and making part of the same.

TO ALL WHOM IT MAY CONCERN:

Be it known that I, HEDGES L. SPENCER, of Social Circle, in the county of Walton, and State of Georgia, have invented new and useful Improvements in the Dress of Millstones; and I do hereby declare that the following is a full, clear, and exact description thereof, which will enable those skilled in the art to make and use the same, reference being had to the accompanying drawings, forming part of this specification, in which—

Figure 1 represents the face of a stone, having furrows cut according to my improved method.

Figure 2 is a cross-section taken in the line *x x*, fig. 1.

Similar letters of reference indicate corresponding parts.

This invention relates to an improved method of dressing millstones for grinding wheat, corn, or other grain; and the improvement consists in making angles or elbows in the leading furrows at points about half way between the eye and the circumference of the stone, instead of straight furrows running directly from the eye to the circumference, by which arrangement of the furrows on both stones they cross each other in checks or diagonally.

Another feature of my improved method of dressing millstones consists in starting the leading furrows wider at the eye, and narrowing it gradually to the angle or elbow, and then enlarging it again to the circumference.

The short furrows are arranged between the leading furrows in conformity with this system of angles or elbows, and the enlargement of the channels towards the circumference.

A further improvement of my invention consists in forming the second furrow so that it does not connect with or enter into the leading furrow, but has its end separated therefrom by a band, about one-half or two-thirds of the width of the other bands.

I also make a bosom, so called, or concave space around the eyes of both rocks, making it nearly one-quarter of an inch deep at the eye, and running out to a feather-edge several inches from the eye.

The advantages of my improved millstone-dress are that the stones will grind faster, and make better flour than with any ordinary dress, while the meal is kept cooler, and bolts more freely and readily.

In the drawing, the millstone represents the runner of a pair of millstones.

The furrows of both stones are cut alike.

The leading furrows, *a a*, are made with an elbow or an angle of about forty-five degrees, at a point, *d*, about half their distance between the eye and the circumference of the stone, and the channels enlarge or widen from this point in both directions, to the inner ends, *a'*, and the outer ends, *a*, of the furrows.

The second furrows, *b b*, do not intersect the leading furrows, but leave a narrow band, *f*, behind their inner end at their start, as shown in the drawing.

But the third furrows, *c c*, intersect and start from the second furrows at *g*, and widen to the circumference of the stone from the point of starting.

Having described my invention, I claim as new, and desire to secure by Letters Patent—

The improved millstone-dress, composed of the furrows *a*, *b*, *c*, formed and arranged as herein shown and described.

H. L. SPENCER.

Witnesses:

J. S. BULLOCK,

C. T. MOBLEY.